

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-30. (canceled)

31. (new) A code division multiple access base station comprising:
a linear feedback shift register configured to produce a base code;
a code detector configured to detect repeatedly transmitted first signals using the base code, each first signal including a first portion of the base code and the first signals are used to aid in acquisition of a second signal;
wherein the code detector is configured, after detection of the first signal, to detect the second signal using the base code.

32. (new) The base station of claim 31 comprising a combiner configured to combine the base code with a second sequence for use in detecting the first portion.

33. (new) The base station of claim 32 wherein the combiner is an exclusive-or gate.

34. (new) The base station of claim 31 comprising a data receiver for recovering data from the second signal.

35. (new) The base station of claim 34 wherein the recovered data is access data.

36. (new) The base station of claim 31 comprising a receiver for receiving the first signal and the second signal in an access channel.

37. (new) The base station of claim 31 wherein each of the first signals are shorter than the second signal.

38. (new) The base station of claim 31 wherein a transmission power level of the second signal is based on a transmission power level of the first signals.

39. (new) A code division multiple access communication unit comprising:
a linear feedback shift register configured to produce a base code;
a transmitter configured to repeatedly transmit a first signal, each first signal including a first portion of the base code and the first signals are used to aid in acquisition of a second signal;

the transmitter also configured to transmit the second signal after the transmission of the first signals, the second signal produced using the base code.

40. (new) The communication unit of claim 39 comprising a combiner configured to combine the base code with a second sequence for use in producing the first signal.

41. (new) The communication unit of claim 40 wherein the combiner is an exclusive-or gate.

42. (new) The communication unit of claim 39 wherein the second signal comprises data.

43. (new) The communication unit of claim 42 wherein the data is access data.

44. (new) The communication unit of claim 39 wherein the first signal and the second signal are transmitted in an access channel.

45. (new) The communication unit of claim 39 wherein each of the first signals are shorter than the second signal.

46. (new) The communication unit of claim 31 wherein a transmission power level of the second signal is based on a transmission power level of the first signals.